

Claims

- [c1] 1.A stent comprising a plurality of segments, including at least one segment which is in the form of a coil and at least one segment which is in a form other than a coil and which is balloon expandable or self-expandable.
- [c2] 2.The stent of claim 1 having a first end segment and a second end segment, wherein each of the first and second end segments is in a form other than a coil and is balloon expandable or self-expandable.
- [c3] 3.The stent of claim 2 comprising only one segment which is in the form of a coil and which connects the first and second end segments.
- [c4] 4.The stent of claim 3 wherein the first and second end segments are self-expandable.
- [c5] 5.The stent of claim 4 wherein the first and second end sections are each formed of a plurality of braided filaments.
- [c6] 6.The stent of claim 5 wherein the filaments are made of spring steel.
- [c7] 7.The stent of claim 3 wherein the first and second end segments are balloon expandable.
- [c8] 8.The stent of claim 7 wherein the first and second end segments are each in the form of a tube comprising a plurality of interconnected serpentine segments.
- [c9] 9.The stent of claim 1 wherein the segment which is in the form of a coil is made of spring steel.
- [c10] 10.A stent comprising a coil segment and a tubular, non-coil segment.
- [c11] 11.The stent of claim 9 wherein the tubular, non-coil segment is balloon expandable.
- [c12] 12.The stent of claim 9 wherein the tubular, non-coil segment is self-expandable.

- [c13] 13.The stent of claim 9 having a first end and a second end, the first end being a tubular, non-coil segment and the second end being a tubular, non-coil segment.
- [c14] 14.The stent of claim 10 where the coil segment is made of spring steel.
- [c15] 15.The stent of claim 10 wherein the coil segment has an outer diameter of no more than 6 mm when deployed.
- [c16] 16.The stent of claim 15 having an outer diameter of no more than 6 mm when deployed.
- [c17] 17.The stent of claim 15 having a length of no more than 20 mm.
- [c18] 18.A method of treating a bodily vessel comprising the steps of:
providing a catheter, the catheter including a stent, the stent having a coil segment and at least one non-coil segment;
delivering the stent to a desired location in the bodily vessel,
deploying the coil segment and either allowing the non-coil segment to self-expand or balloon expanding the non-coil segment.
- [c19] 19.The method of claim 18 wherein the coil segment is deployed across an aneurysm.
- [c20] 20.A method of manufacturing a stent comprising the steps of:
providing a coil segment and a non-coil segment;
attaching the coil segment to the non-coil segment.
- [c21] 21.The method of claim 20 wherein the coil segment is adhesively bonded to the non-coil segment.
- [c22] 22. The method of claim 20 wherein the coil segment is welded to the non-coil segment.